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## WESTON & SAMPSON HEALTH & SAFETY PLAN

Administrative Information: Covid-19 Safety Procedures					
TASK NAME: SMOKE TESTING	PROJECT LOCATION: WOBURN, Massachusetts				
DATE WRITTEN: 7/17/2020	ANALYSIS PERFORMED BY: David Wright, CSHO				
DATE LAST UPDATED: 7/20/2020	TYPE OF TASK: ☑ Routine ☐ Non-Routine				

DATE LAST UPDATED: 7/20/2020 TYPE OF TASK: ⊠ Routin		ne		
TASK SEQUENCE (List the individual steps required to perform the job.)			COMMENTS*	
1.	Equipment required - Smoke Machine, Gasoline, Lighter			
	candles, manhole lifter, traffic cones			
2.	2. PPE Required:			
	Safety Glasses (Clear & Tinted)			
	Hearing Protection			
	Nitrile Gloves			
	Oil/Fuel resistant work gloves			
	Minimum ANSI Class II vest			
	Long pants			
	Safety-toed, 6" minimum high-top, lace up style	boots		
	Face mask			
3.	Getting to location(s): Carpooling is not allowed. One ve	hicle must be taken		
	for each person needed to work on site.			
4.	Conducting Smoke Testing:		Gasoline must be kept in approved metal safety	
	Ensure all workers are wearing the appropriate PPE abo	ve, and face	can.	
	coverings		Do not add gasoline to smoke blower when engine is hot.	
	Ensure smoke blower is full of gasoline,			
	Located manhole and set up a temporary traffic control a			
	away from the smoke testing area,			
	Cones must be place in front of van, behind van, and sur			
	Remove manhole cover with lifter, place blower in manholaround blower,			
	Perform smoke testing			

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5. If smoke is detected in a business or resident:	
Employees are NOT permitted to enter any business or residence until Stage 4	
has been authorized by the Weston & Sampson Corporate Response Team.	
If smoke is detected within a business or residence, any other means, other than	
entry must be used. Examples that may be employed include using FaceTime or	
other similar application or having the owner record of video of the smoke and	
email to approved W&S email address or work device.	
Crews will have a W&S iPhone that shall be sanitized and can be offered to the	
homeowner to take inside and Face Time or video the source of the smoke.	
If a fire detail or police detail is available, discuss with community police/fire the	
possibility that they enter a home, or radio for additional police/fire assistance if	
entry is necessary.	
6. Attached "Field Staff COVID-19 General Safety Procedures" must also be	
followed.	

<sup>\*</sup> List any unique hazards and controls associated with the individual step which are not addressed in overall job hazard analysis on page 2.

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uneven terrain, overhead work, flammable/combustible materials, excavation/trenching; working over open water (drowning).  Confined Spaces – Those spaces large enough to enter, have limited or restricted means for entry or exit, and are not designed for continuous occupancy.  Ergonomic – lifting, carrying, bending, twisting, sitting, pushing, pulling, standing, walking, climbing, crawling, reaching, overexertion, repetitive motion.  Erlain – Fall from elevated work, fall to same level, fall to lower level.  Stored Energy – Tension, elevated machine members, rotating flywheels, hydraulic systems, air, gas, steam, water pressure, electrical, gravity.  Evolutions).  Evolutions – Motiving alone, society and a same level, fall to lower level.  Stored Energy – Tension, elevated machine members, rotating flywheels, hydraulic systems, air, gas, steam, water pressure, electrical, gravity.  Evolutions).  Evolutions – Motiving alone, society and time temples of the standard procedures reviewed with temples of the standard procedures reviewed with temples of the standard procedures reviewed with crew cluster/district skept minimal and picked up All crew members have recognized proper training (knowledge) to perform task safety  Housekeping/Jobsite Conditions  Work are clearly delineated and footing reviewed with crew cluster/district control measures in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Floatation from evaluation, swelfing over members have received and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place  Overhead hazard evaluated and safe measures put in place		IAZARDS (I lace a checkinark by all flazards associated with	ii iiie joi	0.)						
restricted means for entry or exit, and are not designed for continuous occupancy.  Ergonomic – lifting, carrying, bending, tvisting, sitting, pushing, pulling, standing, walking, clinting, crawling, treaching, overexerforn, rejetilive motion.  Ealls - Fall from elevated work, fall to same level, fall to lower level.  Stored Energy – Tension, elevated machine members, rotating flywheels, hydraudic systems, air, gas, steam, water pressure, electrical, gravity.  Stored Energy – Tension, elevated machine members, rotating flywheels, hydraudic systems, air, gas, steam, water pressure, electrical, gravity.  EONTROLS (Pieze a checkmark by all controls associated with the job.)  Popple: Altitudes and Bahavior   Work breaks defined to prevent oversersion   Requellive tasks identified with proper work/rest cycles  Slandard procedures reviewed with are   All crew members have received proper training (knowledge) to perform task safely   Control standard procedures reviewed with orew   Countral system in piece where appropriete   Proper fine acting-justiness available   Proper fine acting-justiness available   Proper fine acting-justiness available   Proper fine acting-justiness available   Conditions   Proper training control in a proper works (admined and proposed of a proper fine acting-justiness available   Proper fine acting-justiness in place   Proper fine acting-justiness available   Proper fine acting-justiness in place   Pro		uneven terrain, overhead work, flammable/combustible materials,			S,		<u>Hazardous Chemical &amp; Materials</u> - Burns, chemical exposure, inhalation, ingestion, splashing, fumes, spills, airborne particles, compressed gases, adhesives, solvents, lubricating oils and greases, welding fumes.			
Ergonomic – litting, carrying, bending, tvisting, sitting, pushing, pulling, standing, walking, climbring, crawling, reaching, overexertion, repetitive motion.  Ealls - Fall from elevated work, fall to same level, fall to lower level.  Stored Energy — Tension, elevated mothine members, rotating flywheels, hydraulic systems, air, gas, sleam, water pressure, electrical, gravity.  Stored Energy — Tension, elevated mothine members, rotating flywheels, hydraulic systems, air, gas, sleam, water pressure, electrical, gravity.  Hot Work — Equipment that produces a spark or open flame or productions).  Hot Work — Equipment that produces a spark or open flame or productions, but was a spark or open flame or productions.  Work to account the standard production of the standard or the standard	$\boxtimes$	restricted means for entry or exit, and are not designed for continuous occupancy.  Ergonomic – lifting, carrying, bending, twisting, sitting, pushing, pulling, standing, walking, climbing, crawling, reaching, overexertion, repetitive motion.  Falls - Fall from elevated work, fall to same level, fall to lower level.  Stored Energy – Tension, elevated machine members, rotating flywheels,				$\boxtimes$	Contact with Objects or Equipment - Struck-by or contact with objects or equipment.  Environmental - Severe weather, wind, lightning, wet/slippery surfaces,			
motion.    Falls Fall from elevated work, fall to same level, fall to lower level.   Salt Falls Fall from elevated work, fall to same level, fall to lower level.   Salt from elevated work, fall to same level, fall to lower level.   Salt from fall for salt from fall	$\boxtimes$					$\boxtimes$				
Ealls - Fall from elevated work, fall to same level, fall to lower level.  Stored Energy — Tension, elevated machine members, rotating flywheels, hydraulic systems, air, gas, steam, water pressure, electrical, gravity.    Mork Deck Place   Hot Work — Equipment that produces a spark or open flame or produces a spark or open flame or produces a spark or open flame or produces as park or open flame or					/e	$\boxtimes$				
hydraulic systems, air, gas, steam, water pressure, electrical, gravity.    Controls (Place a checkmark by all controls associated with the job.)	=						atmospheric (oxygen d			
People: Attitudes and Behavior    Dob scope understood by all   Working alone, scope is understood and limited   Teamwork approach established   Standard procedures reviewed with team   All crew members have received proper training   (knowledge) to perform task safely   Housekeeping/Jobsite Conditions   Work area clearly delineated and footing   reviewed with crew   Culterfidetisk sept Innimal and picked up     All sels, stairs, floors kept clean   All sels, stairs, floors kept clean   Foregast of severe weather known outside temperature reviewed against du of job     Dobsite noise levels known or estimated     Foregast of severe weather known outside temperature reviewed against du of job     Dobsite noise levels known or estimated     Foregast of severe weather known outside temperature reviewed against du of job     Dobsite noise levels known or estimated     Foregast of severe weather known outside temperature reviewed against du of job     Dobsite noise levels known or estimated     Foregast of severe weather known of the plant of the p							<u>Hot Work</u> – Equipment that produces a spark or open flame or produces excessive heat (e.g. welding, cutting, burning).			
Object/Equipment awareness reviewed with crew cycles cycles   Calibrated Conditions   Falls   Proper ladder procedures reviewed with crew   Caudral system in place where appropriate   Foliage from the skills, and the standard procedures reviewed with crew   Caudral system in place where appropriate   Foliage from the skills, stairs, floors kept clean   Proper free stringsishers available   Fall protection equipment identified and inspected   Confined Spaces   Proper traffic control measures in place   Only Authorized employees performing work   All affected employees performing work   All affected employees performing work   All affected employees performing work   Hard Half (forehead or bump hazards e Standard Work Uniform & glore)   Proper free devices available   Floatation devices available   Floatation devices available   Floatation devices available   Proper free free free free free free free f	(	CONTROLS (Place a checkmark by all controls associated w	vith the j	ob.)						
All crew members have received proper training (knowledge) to perform task safety		Job scope understood by all If working alone, scope is understood and limited Teamwork approach established		Repetitive tas cycles					Object/Equipment awareness reviewed with crew	
Ciluter/debris kept minimal and picked up Aisles, stairs, floors kept clean Proper fire extinguishers available If multiple employer worksite, all work coordinated with others Proper traffic control measures in place Overhead hazard evaluated and safe measures put in place Adequate communications devices available Floatation devices available if working over open water  Confined Spaces Confined Spaces Entrant, Attendant, Entry Supervisor utilized if required Calibrated Combustible Gas Meter available Ventilation requirements evaluated and equipment procured Mechanical lifting/moving devises identified for heavy loads or repetitive tasks  Stored Energy Written Perper cherety Written Perper cherety Written Perper sources identified Only Authorized employees performing work All Affected employees performing work All Affected employees been notified Lockouf Tagout Permits in place All energy brought to zero energy state (Lock/Tag/Try) Confined Spaces Confined Spaces Confined Spaces Proper chemicals & Materials Hot Work Hearing Protection used if require Work Area inspected of rife heazards Work Area inspected of rife heazards Suitable fire extinguishers in place First aid kit(5) available Proper tools identified for the job Tools/Equipment in good condition Ground fault protection in place Princh points identified All machine guards in place Controls in place around all mobile equipment Proper tools identified All machine guards in place Controls in place around all mobile equipment Proper tools identified for the job Tools/Equipment in good condition Ground fault protection in place Princh points identified Controls in place around all mobile equipment Proper tools identified for the job Controls in place Controls in place around all mobile equipment  Approval Signatures:	Но	All crew members have received proper training (knowledge) to perform task safely  usekeeping/Jobsite Conditions  Work area clearly delineated and footing	Proper ladder proced Guardrail system in p Floor openings identi Fall protection system appropriate			ace where appropriate ied and protected is planned where			Forecast of severe weather known Outside temperature reviewed against duration of job Jobsite noise levels known or estimated	
Confined Space properly classified		Clutter/debris kept minimal and picked up Aisles, stairs, floors kept clean Proper fire extinguishers available If multiple employer worksite, all work coordinated with others Proper traffic control measures in place Overhead hazard evaluated and safe measures put in place Adequate communications devices available Floatation devices available if working over	Store	inspected  ed Energy Written Energ Type and ma identified Only Authoriz All Affected e Lockout/Tago ALL energy b	protection equipment identified and bected  nergy  Iten Energy Control Procedure(s) reviewed be and magnitude of energy sources intified by Authorized employees performing work affected employees been notified kout/Tagout Permits in place anergy brought to zero energy state			<ul> <li>□ Written PPE Hazard Assessment reviewed task</li> <li>□ Safety Glasses with Side Shields</li> <li>□ Safety Footwear with good tread</li> <li>□ Hard Hat (if overhead or bump hazards existence of Standard Work Uniform &amp; gloves</li> <li>□ Respiratory Protection (Air Purifying/Air Supplying)</li> <li>□ Hearing Protection</li> </ul>		
Ventilation requirements evaluated and equipment procured    Proper tools identified for the job   Tools/Equipment in good condition   Ground fault protection in place   Pinch points identified   All machine guards in place   Mechanical lifting/moving devises identified for heavy loads or repetitive tasks    Approval Signatures:		Confined Space properly classified Entry procedures in place and understood by all Written Permit in place if appropriate Entrant, Attendant, Entry Supervisor utilized if		Proper chemi MSDSs revie First aid kit(s) Portable eyev	icals & mat wed with co ) available wash availa	terials rew a able	identified for job nd available		Hot Work Permit in place as required Work area inspected for fire hazards Suitable fire extinguishers in place	
Ergonomics		Ventilation requirements evaluated and		Proper tools identified for the job Tools/Equipment in good condition			job dition		er Controls as indicated:	
		Reviewed proper lifting techniques with crew Mechanical lifting/moving devises identified for		Pinch points if	identified guards in pl	blace				
PROJECT MANAGER: SITE SAFETY COORDINATOR:	1	Approval Signatures:								
					SITE SAF	ETY C	COORDINATOR:			